

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/281,792B

DATE: 05/18/2001

TIME: 13:11:23

Input Set : A:\36595160.app

Output Set: N:\CRF3\05182001\I281792B.raw

ENTERED

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Chandrasegaran, Srinivasan
8 (ii) TITLE OF INVENTION: METHODS FOR INACTIVATION TARGET DNA AND
9 FOR DETECTING CONFORMATIONAL CHANGE IN A NUCLEIC ACID

11 (iii) NUMBER OF SEQUENCES: 31

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: VENABLE, BAETJER, HOWARD & CIVILETTI, LLP
15 (B) STREET: 1201 New York Avenue, N.W., Suite 1000
16 (C) CITY: Washington
17 (D) STATE: DC
18 (E) COUNTRY: USA
19 (F) ZIP: 20005

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/281,792B
C--> 29 (B) FILING DATE: 31-Mar-1999
30 (C) CLASSIFICATION:

32 (viii) ATTORNEY/AGENT INFORMATION:

33 (A) NAME: Hobbs, Ann S.
34 (B) REGISTRATION NUMBER: 36,830
35 (C) REFERENCE/DOCKET NUMBER: 36595160594

37 (ix) TELECOMMUNICATION INFORMATION:

38 (A) TELEPHONE: 202-962-4800
39 (B) TELEFAX: 202-962-8300

42 (2) INFORMATION FOR SEQ ID NO: 1:

44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 23 amino acids
46 (B) TYPE: amino acid
47 (C) STRANDEDNESS:
48 (D) TOPOLOGY: linear

50 (ii) MOLECULE TYPE: peptide

55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

W--> 57 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
58 1 5 10 15

W--> 60 Xaa Xaa His Xaa Xaa Xaa His
61 20

63 (2) INFORMATION FOR SEQ ID NO: 2:

65 (i) SEQUENCE CHARACTERISTICS:

66 (A) LENGTH: 24 amino acids
67 (B) TYPE: amino acid
68 (C) STRANDEDNESS:
69 (D) TOPOLOGY: linear

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71 (ii) MOLECULE TYPE: peptide
76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 78 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
79 1 5 10 15
W--> 81 Xaa Xaa His Xaa Xaa Xaa Xaa His
82 20
84 (2) INFORMATION FOR SEQ ID NO: 3:
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 25 amino acids
88 (B) TYPE: amino acid
89 (C) STRANDEDNESS:
90 (D) TOPOLOGY: linear
92 (ii) MOLECULE TYPE: peptide
97 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 99 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
100 1 5 10 15
W--> 102 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
103 20 25
105 (2) INFORMATION FOR SEQ ID NO: 4:
107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 24 amino acids
109 (B) TYPE: amino acid
110 (C) STRANDEDNESS:
111 (D) TOPOLOGY: linear
113 (ii) MOLECULE TYPE: peptide
118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 120 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
121 1 5 10 15
W--> 123 Leu Xaa Xaa His Xaa Xaa Xaa His
124 20
126 (2) INFORMATION FOR SEQ ID NO: 5:
128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 25 amino acids
130 (B) TYPE: amino acid
131 (C) STRANDEDNESS:
132 (D) TOPOLOGY: linear
134 (ii) MOLECULE TYPE: peptide
139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 141 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
142 1 5 10 15
W--> 144 Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
145 20 25
147 (2) INFORMATION FOR SEQ ID NO: 6:
149 (i) SEQUENCE CHARACTERISTICS:
150 (A) LENGTH: 26 amino acids
151 (B) TYPE: amino acid
152 (C) STRANDEDNESS:
153 (D) TOPOLOGY: linear
155 (ii) MOLECULE TYPE: peptide

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160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 162 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
163 1 5 10 15
W--> 165 Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
166 20 25
168 (2) INFORMATION FOR SEQ ID NO: 7:
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 25 amino acids
172 (B) TYPE: amino acid
173 (C) STRANDEDNESS:
174 (D) TOPOLOGY: linear
176 (iii) MOLECULE TYPE: peptide
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
W--> 183 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
184 1 5 10 15
W--> 186 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His
187 20 25
189 (2) INFORMATION FOR SEQ ID NO: 8:
191 (i) SEQUENCE CHARACTERISTICS:
192 (A) LENGTH: 26 amino acids
193 (B) TYPE: amino acid
194 (C) STRANDEDNESS:
195 (D) TOPOLOGY: linear
197 (iii) MOLECULE TYPE: peptide
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 204 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
205 1 5 10 15
W--> 207 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
208 20 25
210 (2) INFORMATION FOR SEQ ID NO: 9:
212 (i) SEQUENCE CHARACTERISTICS:
213 (A) LENGTH: 27 amino acids
214 (B) TYPE: amino acid
215 (C) STRANDEDNESS:
216 (D) TOPOLOGY: linear
218 (iii) MOLECULE TYPE: peptide
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
W--> 225 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
226 1 5 10 15
W--> 228 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
229 20 25
231 (2) INFORMATION FOR SEQ ID NO: 10:
233 (i) SEQUENCE CHARACTERISTICS:
234 (A) LENGTH: 23 amino acids
235 (B) TYPE: amino acid
236 (C) STRANDEDNESS:
237 (D) TOPOLOGY: linear
239 (ii) MOLECULE TYPE: peptide
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

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W--> 246 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
247 1 5 10 15
W--> 249 Xaa Xaa His Xaa Xaa Xaa His
250 20
252 (2) INFORMATION FOR SEQ ID NO: 11:
254 (i) SEQUENCE CHARACTERISTICS:
255 (A) LENGTH: 24 amino acids
256 (B) TYPE: amino acid
257 (C) STRANDEDNESS:
258 (D) TOPOLOGY: linear
260 (ii) MOLECULE TYPE: peptide
265 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
W--> 267 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
268 1 5 10 15
W--> 270 Xaa Xaa His Xaa Xaa Xaa Xaa His
271 20
273 (2) INFORMATION FOR SEQ ID NO: 12:
275 (i) SEQUENCE CHARACTERISTICS:
276 (A) LENGTH: 25 amino acids
277 (B) TYPE: amino acid
278 (C) STRANDEDNESS:
279 (D) TOPOLOGY: linear
281 (ii) MOLECULE TYPE: peptide
286 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
W--> 288 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
289 1 5 10 15
W--> 291 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
292 20 25
294 (2) INFORMATION FOR SEQ ID NO: 13:
296 (i) SEQUENCE CHARACTERISTICS:
297 (A) LENGTH: 24 amino acids
298 (B) TYPE: amino acid
299 (C) STRANDEDNESS:
300 (D) TOPOLOGY: linear
302 (ii) MOLECULE TYPE: peptide
307 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
W--> 309 Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
310 1 5 10 15
W--> 312 Leu Xaa Xaa His Xaa Xaa Xaa His
313 20
315 (2) INFORMATION FOR SEQ ID NO: 14:
317 (i) SEQUENCE CHARACTERISTICS:
318 (A) LENGTH: 25 amino acids
319 (B) TYPE: amino acid
320 (C) STRANDEDNESS:
321 (D) TOPOLOGY: linear
323 (ii) MOLECULE TYPE: peptide
328 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
W--> 330 Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa

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PATENT APPLICATION: US/09/281,792B

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331      1      5      10      15
W--> 333 Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
334          20          25
336 (2) INFORMATION FOR SEQ ID NO: 15:
338   (i) SEQUENCE CHARACTERISTICS:
339     (A) LENGTH: 26 amino acids
340     (B) TYPE: amino acid
341     (C) STRANDEDNESS:
342     (D) TOPOLOGY: linear
344   (ii) MOLECULE TYPE: peptide
349   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
W--> 351 Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
352      1      5      10      15
W--> 354 Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
355          20          25
357 (2) INFORMATION FOR SEQ ID NO: 16:
359   (i) SEQUENCE CHARACTERISTICS:
360     (A) LENGTH: 25 amino acids
361     (B) TYPE: amino acid
362     (C) STRANDEDNESS:
363     (D) TOPOLOGY: linear
365   (ii) MOLECULE TYPE: peptide
370   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
W--> 372 Phe Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
373      1      5      10      15
W--> 375 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His
376          20          25
378 (2) INFORMATION FOR SEQ ID NO: 17:
380   (i) SEQUENCE CHARACTERISTICS:
381     (A) LENGTH: 26 amino acids
382     (B) TYPE: amino acid
383     (C) STRANDEDNESS:
384     (D) TOPOLOGY: linear
386   (ii) MOLECULE TYPE: peptide
391   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
W--> 393 Phe Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
394      1      5      10      15
W--> 396 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
397          20          25
399 (2) INFORMATION FOR SEQ ID NO: 18:
401   (i) SEQUENCE CHARACTERISTICS:
402     (A) LENGTH: 27 amino acids
403     (B) TYPE: amino acid
404     (C) STRANDEDNESS:
405     (D) TOPOLOGY: linear
407   (ii) MOLECULE TYPE: peptide
412   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
W--> 414 Phe Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
415      1      5      10      15

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/281,792B

DATE: 05/18/2001
TIME: 13:11:24

Input Set : A:\36595160.app
Output Set: N:\CRF3\05182001\I281792B.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18